

ABSTRACT OF THE DISCLOSURE:

An alarm transfer method for use in a wide area Ethernet network has the steps of generating a plurality of fixed-length frames from an Ethernet frame sent from a client terminal, generating capsules each comprised of each of the 5 fixed-length frames, a type field for notifying a fault, a forward relay line fault notification field for notifying a fault in a forward direction, and a backward relay line fault notification field for notifying the fault in a backward direction, multiplexing the capsules to generate a frame which is transferred to an Ethernet network, and demultiplexing capsules from a received frame to 10 recognize a fault for each Ethernet path.